

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in this application:

Listing of Claims:

1. (Original) A composite sheet, which is applied to the surface of skin for delivering a therapeutic agent to the skin comprising:

a flexible porous polymer foam material for holding and releasing the agent, or therapeutic agent,

a polymer enrobing material which is in contact with the skin and encapsulates the polymer foam material and holds and releases the agent, and

a plurality of micro-channels passing through the polymer enrobing material and polymer foam material for holding and releasing the agent.
2. (Currently amended) The composite sheet according to Claim 1 wherein the sheet is capable of releasing the therapeutic agent for a period of up to ~~about 14 to about 30~~ days.
3. (Currently amended) The composite sheet according to Claim 1 wherein the porous foam material has open face pores for holding and releasing the therapeutic agent having a diameter of up to ~~about 200 to about 300~~ microns.
4. (Currently amended) The composite sheet according to Claim 1 wherein the porous polymer foam material may be selected from the group consisting of polyurethane, polyvinylacetate, ~~butyl~~, polyvinyl alcohol, and polyethylene.
5. (Original) The composite sheet according to Claim 1 wherein the polymer enrobing material which encapsulates the porous polymer foam material may be selected from the group consisting of silicone, hydrogels, ethylene-vinyl acetate and

polyurethane elastomers.

6. (Original) The composite sheet according to Claim 1 wherein the sheet has a first side and a second side which contacts the skin with the microchannels, passing there through forming an area for holding and directly releasing the therapeutic agent onto or into the skin and into the porous polymer foam material and polymer enrobing material for subsequent release to the skin.
7. (Original) The composite sheet according to Claim 6 having a removable rigid polymer strip, which is applied to the first and second sides for retaining the therapeutic agent in the microchannels prior to application of the sheet to the skin.
8. (Currently amended) The composite sheet according to Claim 1 wherein the porous polymer foam material ~~may be~~ is selected from the group consisting of polyurethane, polyvinyl acetate, polyvinyl alcohol, polyethylene and silicone.
9. (Currently Amended) The compound sheet according to Claim 1 wherein the therapeutic agent ~~may be selected from~~ is at least one of the group consisting of Vitamin E, Vitamin C, emu oil, aloe vera, silver sulphadine, polymyxine B, and fusidic acid.
10. (Currently Amended) A method of treating scar tissue or a wound on human skin comprising : the step of applying to the scar tissue or wound the composite sheet of Claim 1. ~~a composite sheet comprising a flexible porous foam material for holding and releasing an agent or therapeutic agent, a polymer enrobing material which is in contact with the skin and encapsulates the polymer foam material and holds and releases a therapeutic agent and a plurality of microchannels passing therethrough the polymer enrobing material and polymer foam material for holding and releasing the therapeutic agent to the skin.~~
11. (Currently Amended) The method according to Claim 10, wherein the sheet is

applied to the surface of the skin for up to ~~about 14 to~~ about 30 days.

12. (Currently Amended) The method according to Claim 10, wherein the therapeutic agent is selected from the group consisting of platelet derived growth factor, vitamin A acid, corticosteroids, and interferon.
13. (Currently Amended) The method according to Claim 10, wherein the porous polymer foam material is selected from the group consisting of polyurethane, polyvinylacetate, ~~butyl~~, polyvinyl alcohol, and polyethylene.
14. (Original) The method according to Claim 10, wherein the polymer enrobing material which encapsulates the porous polymer foam material is selected from the group consisting of silicone, hydrogels, ethylene-vinyl acetate and polyurethane elastomers.
15. (New) The composite sheet according to claim 2 wherein the composite sheet is capable of releasing the therapeutic agent for a period of up to 14 days.
16. (New) The composite sheet according to claim 1 wherein the composite sheet is capable of releasing the therapeutic agent for a period of about 14 to about 30 days.
17. (New) The composite sheet according to claim 3 wherein the open face pores have a diameter of up to 200 microns.
18. (New) The composite sheet according to claim 1 wherein the open face pores have a diameter of about 200 to about 300 microns.
19. (New) The composite sheet according to claim 8, wherein the porous polymer foam material is polyurethane, and wherein said polyurethane is hydrophilic.